

Appl. No. 10/528,215

Attorney Docket No. 11138-017

II. Listing of Claims

1. (Cancelled)

2. (Currently Amended) The connecting device as claimed in claim [[1]] 3 wherein the insert part is of sleeve-shaped design and is insertable into a widened portion of the receiving opening of the base part in a manner providing a circumferential seal against the penetration of dirt and similar foreign bodies, the insert part, in the inserted state, lying completely within the base part and ending flush with the receiving opening.

3. (Currently Amended) [[The]] A connecting device as claimed in claim 1 for the plug-in connection for at least one pipeline, the plug-in connection comprising a housing part having at least one receiving opening for the insertion of the pipeline, a clamping ring is arranged in the receiving opening and, in order to lock the pipeline in place, an outer conical surface of the clamping ring interacts with an inner conical surface of the housing part, the housing part being made in two parts from a base part and an insert part, which is connected to the base part via a snap-action form-fitting connection which includes the inner cone, and the insert part having a dirt seal for resting on the circumference of the inserted pipeline, the insert part being formed of a first, relatively hard and dimensionally stable plastic material and the dirt seal, being formed of a second relatively soft and elastic plastic material, the second material being attached directly onto the first material to form a single piece with a cohesive material joint therebetween; and



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wherein the sleeve-shaped insert part has, for the purpose of being able to release the pipeline, at least two radially elastic spring arms which are formed by longitudinal slots and which engage releasably by means of radially outwardly protruding latching attachments in a form-fitting manner in corresponding latching openings of the base part.

4. (Previously Presented) The connecting device as claimed in claim 3 wherein the longitudinal slots are filled with the material of the dirt seal.

5. (Currently Amended) ~~[[The]]~~ A connecting device as claimed in claim 1 for the plug-in connection for at least one pipeline, the plug-in connection comprising a housing part having at least one receiving opening for the insertion of the pipeline, a clamping ring is arranged in the receiving opening and, in order to lock the pipeline in place, an outer conical surface of the clamping ring interacts with an inner conical surface of the housing part, the housing part being made in two parts from a base part and an insert part, which is connected to the base part via a snap-action form-fitting connection which includes the inner cone, and the insert part having a dirt seal for resting on the circumference of the inserted pipeline, the insert part being formed of a first, relatively hard and dimensionally stable plastic material and the dirt seal, being formed of a second relatively soft and elastic plastic material, the second material being attached directly onto the first material to form a single piece with a cohesive material joint therebetween; and

wherein the snap-action form-fitting connection has closed latching elements running in the circumferential direction.



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6. (Currently Amended) ~~[[The]]~~ A connecting device as claimed in claim 4 for the plug-in connection for at least one pipeline, the plug-in connection comprising a housing part having at least one receiving opening for the insertion of the pipeline, a clamping ring is arranged in the receiving opening and, in order to lock the pipeline in place, an outer conical surface of the clamping ring interacts with an inner conical surface of the housing part, the housing part being made in two parts from a base part and an insert part, which is connected to the base part via a snap-action form-fitting connection which includes the inner cone, and the insert part having a dirt seal for resting on the circumference of the inserted pipeline, the insert part being formed of a first, relatively hard and dimensionally stable plastic material and the dirt seal, being formed of a second relatively soft and elastic plastic material, the second material being attached directly onto the first material to form a single piece with a cohesive material joint therebetween; and

wherein a supporting sleeve which is coaxial with the plug-in axis is arranged within the base part for the frictional engagement of the inserted pipeline.

7. (Currently Amended) The connecting device as claimed in claim ~~[[1]]~~ 3 wherein the housing can be connected to a further assembly part via at least one connecting section.

8. (Currently Amended) The connecting device as claimed in claim 7 wherein the connecting section is designed as a pipe attachment for insertion into a second receiving opening.

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9. (Previously Presented) The connecting device as claimed in claim 8 wherein the base part is formed of two regions of molded plastic, with one region of the pipe attachment including a relatively soft material and another region including a relatively hard material.

10. (Previously Presented) The connecting device as claimed in claim 7 wherein the connecting section is designed as a screw thread attachment including an externally threaded connector.

11. (Currently Amended) ~~[[The]]~~ A connecting device as claimed in claim 1 for the plug-in connection for at least one pipeline, the plug-in connection comprising a housing part having at least one receiving opening for the insertion of the pipeline, a clamping ring is arranged in the receiving opening and, in order to lock the pipeline in place, an outer conical surface of the clamping ring interacts with an inner conical surface of the housing part, the housing part being made in two parts from a base part and an insert part, which is connected to the base part via a snap-action form-fitting connection which includes the inner cone, and the insert part having a dirt seal for resting on the circumference of the inserted pipeline, the insert part being formed of a first, relatively hard and dimensionally stable plastic material and the dirt seal, being formed of a second relatively soft and elastic plastic material, the second material being attached directly onto the first material to form a single piece with a cohesive material joint therebetween; and



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wherein the housing part can be inserted with a plug-in section as a press-in cartridge into a connecting opening of an assembly part.

12. (Previously Presented) The connecting device as claimed in claim 11 wherein the housing part has, on the circumference of the plug-in section, at least one tooth element for the engagement in the connecting opening.

13. (Previously Presented) The connecting device as claimed in claim 11 wherein the plug-in section has, on its circumference, at least one tooth element which acts in the manner of a thread such that the housing part can be plugged in with the plug-in section axially into the connecting opening and can further be removed from the connecting opening by unscrewing it.

14. (Previously Presented) The connecting device as claimed in claim 12 wherein the base part consists of a metal including brass, and the tooth element or tooth elements of the plug-in section are molded as a single piece with the base part.

15. (Previously Presented) The connecting device as claimed in claim 12 wherein the base part consists of plastic, and the tooth element or tooth elements consist of metal and are embedded in some regions in the plastic.

16. (Previously Presented) The connecting device as claimed in claim 2 wherein the insert part, for the circumferential sealing toward the base part, can be



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inserted into the base part with a press fit and has an outer circumferential sealing bead.

17. (Previously Presented) The connecting device as claimed in claim 16 wherein the circumferential sealing bead of the insert part consists of an elastic material attached to the insert part with a cohesive material to form a single piece.

18. (Currently Amended) ~~[[The]]~~ A connecting device as claimed in claim 4 for the plug-in connection for at least one pipeline, the plug-in connection comprising a housing part having at least one receiving opening for the insertion of the pipeline, a clamping ring is arranged in the receiving opening and, in order to lock the pipeline in place, an outer conical surface of the clamping ring interacts with an inner conical surface of the housing part, the housing part being made in two parts from a base part and an insert part, which is connected to the base part via a snap-action form-fitting connection which includes the inner cone, and the insert part having a dirt seal for resting on the circumference of the inserted pipeline, the insert part being formed of a first, relatively hard and dimensionally stable plastic material and the dirt seal, being formed of a second relatively soft and elastic plastic material, the second material being attached directly onto the first material to form a single piece with a cohesive material joint therebetween; and

wherein the insert part has positioning means on its outer circumference for the automatic aligning on insertion into the base part, the positioning means being formed by means of two diametrically opposite, radially projecting longitudinal ribs



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which run axially in the insertion direction and ~~engage~~ engages in corresponding longitudinal grooves of the base part.

19. (Currently Amended) ~~[[The]]~~ A connecting device as claimed in claim 1 for the plug-in connection for at least one pipeline, the plug-in connection comprising a housing part having at least one receiving opening for the insertion of the pipeline, a clamping ring is arranged in the receiving opening and, in order to lock the pipeline in place, an outer conical surface of the clamping ring interacts with an inner conical surface of the housing part, the housing part being made in two parts from a base part and an insert part, which is connected to the base part via a snap-action form-fitting connection which includes the inner cone, and the insert part having a dirt seal for resting on the circumference of the inserted pipeline, the insert part being formed of a first, relatively hard and dimensionally stable plastic material and the dirt seal, being formed of a second relatively soft and elastic plastic material, the second material being attached directly onto the first material to form a single piece with a cohesive material joint therebetween; and

wherein retaining edges are formed within the insert part following the inner cone as an axial end stop for the clamping ring.

20. (Previously Presented) The connecting device as claimed in claim 19 wherein first retaining edges are formed in the region of at least two spring arms and second retaining edges are formed in the regions situated between the spring arms, the first retaining edges being offset with respect to the second retaining edges by an axial offset in the direction of the inner cone whereby the clamping ring, when



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subjected to a force acting in the pulling-out direction of the pipeline comes to bear against the first retaining edges and the spring arms are subjected to a radially outwardly acting retaining-force component.

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